

IN THE CLAIMS

Please amend the claims as follows:

Claim 1-10 (Canceled)

Claim 11 (Previously Presented): A heat-transport device comprising:

a refrigerant;

an evaporator formed between a glass and a substrate;

a condenser formed between a glass and a substrate;

a liquid passage linking the evaporator and condenser configured to allow the refrigerant to flow from the condenser to the evaporator;

a gas passage linking the evaporator and condenser configured to allow the refrigerant to flow from the evaporator to the condenser; and

a wick being included in one of the evaporator, the condenser, the liquid passage, or the gas passage, wherein the glass and/or the substrate is covered with a stable material.

Claim 12 (Previously Presented): A heat-transport device according to Claim 11, wherein the substrate is Si.

Claim 13 (Previously Presented): A heat-transport device according to Claim 11, wherein the stable material is selected from the group consisting of SiO₂, SiN, SiC and combination thereof.

Claim 14 (Previously Presented): A heat-transport device according to Claim 11, wherein the refrigerant is a material including hydrogen.

Claim 15 (Previously Presented): A heat-transport device according to Claim 11, wherein the wick is covered with the stable material.

Claim 16 (Previously Presented): A heat-transport device according to Claim 11, the glass and the substrate is bonded by anodic bonding.

Claim 17 (Previously Presented): A method for manufacturing a heat-transport device, the method comprising:

- forming an evaporator between a glass and a substrate;
- forming a condenser between a glass and a substrate;
- forming a liquid passage and a gas passage between the evaporator and condenser;
- forming a wick being in one of the evaporator, the condenser, the liquid passage, or the gas passage; and
- coating the glass and/or the substrate with a stable material.

Claim 18 (Previously Presented): The method of Claim 17, wherein the substrate is Si.

Claim 19 (Previously Presented): The method of Claim 17, wherein the stable material used to coat the glass and/or substrate is selected from the group consisting of SiO₂, SiN, SiC and combination thereof.

Claim 20 (Previously Presented): The method of Claim 17, wherein the refrigerant is a material including hydrogen atom.

Claim 21 (Previously Presented): The method of Claim 17, wherein the wick is covered with the stable material.

Claim 22 (Previously Presented): A method of Claim 17, wherein the glass and the substrate are bonded by anodic bonding.

Claim 23 (Previously Presented): The heat-transport device according to Claim 11, wherein the stable material is formed by at least one of nitriding, oxidation and carbonization of at least one of the wick, the glass and the substrate.

Claim 24 (Previously Presented): The method of Claim 17, wherein the coating includes at least one of nitriding, oxidation and carbonization.

Claim 25 (Previously Presented): The heat-transport device according to Claim 11, wherein the wick is ion implanted.

Claim 26 (Previously Presented): The method of Claim 17, further comprising: coating the wick by ion implantation.

Claim 27 (Previously Presented): The heat-transport device according to Claim 11, wherein the wick is in the form of at least one of grooves, a screen and a sintered metal.

Claim 28 (Previously Presented): The method of Claim 17, wherein the wick is in the form of at least one of grooves, a screen and a sintered metal.

Claim 29 (Previously Presented): The heat-transport device according to Claim 11, wherein the refrigerant is at least one selected from the group consisting of water, ethyl alcohol, methyl alcohol, propyl alcohol, ethyl ether, ethylene glycol, Fluorinert and ammonia.

Claim 30 (Previously Presented): The method of Claim 17, wherein the coating comprises dry etching to form grooves or asperities; then

surface treating by at least one of ion implantation, thermal oxidation and steam oxidation; then

polishing by dry etching or plasma treatment; then

polishing by dry etching including covering with a mask an ion implantation; then

forming a thin film by vapor deposition; then

anodic bonding.

Claim 31 (Previously Presented): The heat-transport device of Claim 11, wherein the stable material is in contact with at least one of the glass and the substrate.

Claim 32 (Previously Presented): The heat-transport device of Claim 11, wherein the stable material is between the glass and the refrigerant.

Claim 33 (Previously Presented): The heat-transport device of Claim 11, wherein the stable material is present only on the a surface of the wick.

Claim 34 (Previously Presented): The method of Claim 17, wherein the coating coats the stable material directly on at least one of the glass and the substrate.

Claim 35 (Previously Presented): The heat-transport device of Claim 11, wherein the stable material is between the glass and the refrigerant; and
the stable material is at least one of SiO₂, SiN, and SiC.

Claim 36 (New) The heat-transport device according to Claim 11, wherein the stable material is formed by chemical vapor deposition.

Claim 37 (New) The method according to Claim 17, wherein the coating is chemical vapor deposition.

Claim 38 (New) The heat-transport device according to Claim 11, wherein the stable material blocks the migration of an alkaline component from the glass and/or substrate into the refrigerant.

Claim 39 (New) The method according to Claim 17, wherein coating the glass and/or the substrate blocks the migration of an alkaline component into the refrigerant.

Claim 40 (New) The heat-transport device according to Claim 11, wherein the stable material blocks gas generation from the refrigerant.

Claim 41 (New) The method according to Claim 17, wherein coating the glass and/or the substrate forms a stable material that blocks gas generation from the refrigerant.

BASIS FOR THE AMENDMENT

Claims 11-41 are active in the present application. Claims 1-10 are canceled claims. Claims 36-41 are new claims. Support for new Claims 36-37 is found in the sentence bridging pages 13 and 14. Support for new Claims 38-41 is found on page 8, lines 13-16; page 9, lines 11-14; page 12, lines 10-14; and the summary of the invention.

No new matter is added.